

10/506301

15199.ST25.txt  
SEQUENCE LISTING

<110> Gopalrathnam, Ganapathy  
Huang, Lihua  
Riggin, Ralph M  
Sheliga, Theodore A.

<120> Activated Protein C Formulations

<130> X15199

<140> 10/506,301

<141> 2004-09-01

<150> PCT/US03/05046

<151> 2003-02-27

<160> 3

<170> PatentIn version 3.3

<210> 1

<211> 410

<212> PRT

<213> Homo sapiens

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His Ser Ser Leu Glu Arg Glu Cys Ile Glu Glu Ile Cys Asp Phe Glu  
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Glu Ala Lys Glu Ile Phe Gln Asn Val Asp Asp Thr Leu Ala Phe Trp  
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Ser Lys His Val Asp Gly Asp Gln Cys Leu Val Leu Pro Leu Glu His  
35 40 45

Pro Cys Ala Ser Leu Cys Cys Gly His Gly Thr Cys Ile Asp Gly Ile  
50 55 60

Gly Ser Phe Ser Cys Asp Cys Arg Ser Gly Trp Glu Gly Arg Phe Cys  
65 70 75 80

Gln Arg Glu Val Ser Phe Leu Asn Cys Ser Leu Asp Asn Gly Gly Cys  
85 90 95

Thr His Tyr Cys Leu Glu Glu Val Gly Trp Arg Arg Cys Ser Cys Ala  
100 105 110

Pro Gly Tyr Lys Leu Gly Asp Asp Leu Leu Gln Cys His Pro Ala Val  
115 120 125

Lys Phe Pro Cys Gly Arg Pro Trp Lys Arg Met Glu Lys Lys Arg Ser  
130 135 140

His Leu Lys Arg Asp Thr Glu Asp Gln Glu Asp Gln Val Asp Pro Arg  
145 150 155 160

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Leu Ile Asp Gly Lys Met Thr Arg Arg Gly Asp Ser Pro Trp Gln Val  
 165 170 175  
 Val Leu Leu Asp Ser Lys Lys Lys Leu Ala Cys Gly Ala Val Leu Ile  
 180 185 190  
 His Pro Ser Trp Val Leu Thr Ala Ala His Cys Met Asp Glu Ser Lys  
 195 200 205  
 Lys Leu Leu Val Arg Leu Gly Glu Tyr Asp Leu Arg Arg Trp Glu Lys  
 210 215 220  
 Trp Glu Leu Asp Leu Asp Ile Lys Glu Val Phe Val His Pro Asn Tyr  
 225 230 235 240  
 Ser Lys Ser Thr Thr Asp Asn Asp Ile Ala Leu Leu His Leu Ala Gln  
 245 250 255  
 Pro Ala Thr Leu Ser Gln Thr Ile Val Pro Ile Cys Leu Pro Asp Ser  
 260 265 270  
 Gly Leu Ala Glu Arg Glu Leu Asn Gln Ala Gly Gln Glu Thr Leu Val  
 275 280 285  
 Thr Gly Trp Gly Tyr His Ser Ser Arg Glu Lys Glu Ala Lys Arg Asn  
 290 295 300  
 Arg Thr Phe Val Leu Asn Phe Ile Lys Ile Pro Val Val Pro His Asn  
 305 310 315 320  
 Glu Cys Ser Glu Val Met Ser Asn Met Val Ser Glu Asn Met Leu Cys  
 325 330 335  
 Ala Gly Ile Leu Gly Asp Arg Gln Asp Ala Cys Glu Gly Asp Ser Gly  
 340 345 350  
 Gly Pro Met Val Ala Ser Phe His Gly Thr Trp Phe Leu Val Gly Leu  
 355 360 365  
 Val Ser Trp Gly Glu Gly Cys Gly Leu Leu His Asn Tyr Gly Val Tyr  
 370 375 380  
 Thr Lys Val Ser Arg Tyr Leu Asp Trp Ile His Gly His Ile Arg Asp  
 385 390 395 400  
 Lys Glu Ala Pro Gln Lys Ser Trp Ala Pro  
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<212> PRT  
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Ser Ser Leu Glu Arg Glu Cys Ile Glu Glu Ile Cys Asp Phe Glu Glu  
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Ala Lys Gln Ile Phe Gln Asn Val Asp Asp Thr Leu Ala Phe Trp Ser  
 20 25 30

Lys His Val Asp Gly Asp Gln Cys Leu Val Leu Pro Leu Glu His Pro  
 35 40 45

Cys Ala Ser Leu Cys Cys Gly His Gly Thr Cys Ile Asp Gly Ile Gly  
 50 55 60

Ser Phe Ser Cys Asp Cys Arg Ser Gly Trp Glu Gly Arg Phe Cys Gln  
 65 70 75 80

Arg Glu Val Ser Phe Leu Asn Cys Ser Leu Asp Asn Gly Gly Cys Thr  
 85 90 95

His Tyr Cys Leu Glu Glu Val Gly Trp Arg Arg Cys Ser Cys Ala Pro  
 100 105 110

Gly Tyr Lys Leu Gly Asp Asp Leu Leu Gln Cys His Pro Ala Val Lys  
 115 120 125

Phe Pro Cys Gly Arg Pro Trp Lys Arg Met Glu Lys Lys Arg Ser His  
 130 135 140

Leu Lys Arg Asp Thr Glu Asp Gln Glu Asp Gln Val Asp Pro Arg Leu  
 145 150 155 160

Ile Asp Gly Lys Met Thr Arg Arg Gly Asp Ser Pro Trp Gln Val Val  
 165 170 175

Leu Leu Asp Ser Lys Lys Lys Leu Ala Cys Gly Ala Val Leu Ile His  
 180 185 190

Pro Ser Trp Val Leu Thr Ala Ala His Cys Met Asp Glu Ser Lys Lys  
 195 200 205

Leu Leu Val Arg Leu Gly Glu Tyr Asp Leu Arg Arg Trp Glu Lys Trp  
 210 215 220

Glu Leu Asp Leu Asp Ile Lys Glu Val Phe Val His Pro Asn Tyr Ser  
 225 230 235 240

Lys Ser Thr Thr Asp Asn Asp Ile Ala Leu Leu His Leu Ala Gln Pro  
 245 250 255

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Ala Thr Leu Ser Gln Thr Ile Val Pro Ile Cys Leu Pro Asp Ser Gly  
260 265 270

Leu Ala Glu Arg Glu Leu Asn Gln Ala Gly Gln Glu Thr Leu Val Thr  
275 280 285

Gly Trp Gly Tyr His Ser Ser Arg Glu Lys Glu Ala Lys Arg Asn Arg  
290 295 300

Thr Phe Val Leu Asn Phe Ile Lys Ile Pro Val Val Pro His Asn Glu  
305 310 315 320

Cys Ser Glu Val Met Ser Asn Met Val Ser Glu Asn Met Leu Cys Ala  
325 330 335

Gly Ile Leu Gly Asp Arg Gln Asp Ala Cys Glu Gly Asp Ser Gly Gly  
340 345 350

Pro Met Val Ala Ser Phe His Gly Thr Trp Phe Leu Val Gly Leu Val  
355 360 365

Ser Trp Gly Glu Gly Cys Gly Leu Leu His Asn Tyr Gly Val Tyr Thr  
370 375 380

Lys Val Ser Arg Tyr Leu Asp Trp Ile His Gly His Ile Arg Asp Lys  
385 390 395 400

Glu Ala Pro Gln Lys Ser Trp Ala Pro  
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<212> PRT  
<213> Homo sapiens

<400> 3

Ala Asn Ser Phe Leu Glu Glu Leu Arg His Ser Ser Leu Glu Arg Glu  
1 5 10 15

Cys Ile Glu Glu Ile Cys Asp Phe Glu Glu Ala Lys Glu Ile Phe Gln  
20 25 30

Asn Val Asp Asp Thr Leu Ala Phe Trp Ser Lys His Val Asp Gly Asp  
35 40 45

Gln Cys Leu Val Leu Pro Leu Glu His Pro Cys Ala Ser Leu Cys Cys  
50 55 60

Gly His Gly Thr Cys Ile Asp Gly Ile Gly Ser Phe Ser Cys Asp Cys  
65 70 75 80

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Arg Ser Gly Trp Glu Gly Arg Phe Cys Gln Arg Glu Val Ser Phe Leu  
85 90 95

Asn Cys Ser Leu Asp Asn Gly Gly Cys Thr His Tyr Cys Leu Glu Glu  
100 105 110

Val Gly Trp Arg Arg Cys Ser Cys Ala Pro Gly Tyr Lys Leu Gly Asp  
115 120 125

Asp Leu Leu Gln Cys His Pro Ala Val Lys Phe Pro Cys Gly Arg Pro  
130 135 140

Trp Lys Arg Met Glu Lys Lys Arg Ser His Leu Lys Arg Asp Thr Glu  
145 150 155 160

Asp Gln Glu Asp Gln Val Asp Pro Arg Leu Ile Asp Gly Lys Met Thr  
165 170 175

Arg Arg Gly Asp Ser Pro Trp Gln Val Val Leu Leu Asp Ser Lys Lys  
180 185 190

Lys Leu Ala Cys Gly Ala Val Leu Ile His Pro Ser Trp Val Leu Thr  
195 200 205

Ala Ala His Cys Met Asp Glu Ser Lys Lys Leu Leu Val Arg Leu Gly  
210 215 220

Glu Tyr Asp Leu Arg Arg Trp Glu Lys Trp Glu Leu Asp Leu Asp Ile  
225 230 235 240

Lys Glu Val Phe Val His Pro Asn Tyr Ser Lys Ser Thr Thr Asp Asn  
245 250 255

Asp Ile Ala Leu Leu His Leu Ala Gln Pro Ala Thr Leu Ser Gln Thr  
260 265 270

Ile Val Pro Ile Cys Leu Pro Asp Ser Gly Leu Ala Glu Arg Glu Leu  
275 280 285

Asn Gln Ala Gly Gln Glu Thr Leu Val Thr Gly Trp Gly Tyr His Ser  
290 295 300

Ser Arg Glu Lys Glu Ala Lys Arg Asn Arg Thr Phe Val Leu Asn Phe  
305 310 315 320

Ile Lys Ile Pro Val Val Pro His Asn Glu Cys Ser Glu Val Met Ser  
325 330 335

Asn Met Val Ser Glu Asn Met Leu Cys Ala Gly Ile Leu Gly Asp Arg

15199.ST25.txt  
340 345 350

Gln Asp Ala Cys Glu Gly Asp Ser Gly Gly Pro Met Val Ala Ser Phe  
355 360 365

His Gly Thr Trp Phe Leu Val Gly Leu Val Ser Trp Gly Glu Gly Cys  
370 375 380

Gly Leu Leu His Asn Tyr Gly Val Tyr Thr Lys Val Ser Arg Tyr Leu  
385 390 395 400

Asp Trp Ile His Gly His Ile Arg Asp Lys Glu Ala Pro Gln Lys Ser  
405 410 415

Trp Ala Pro